

**A. CLASSIFICATION OF SUBJECT MATTER**
**IPC7 A61B 17/16**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A61B17/00,14,16,22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and Utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPSS, DELPHION

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US6368324B1(Fred B. Dinger) 9 APRIL 2002 (09.04.2002), See entire document.	1-7
Y	WO2000/45714A(SYNTHES) 10 AUGUST 2000 (10.08.2000), See entire document( Especially see abstract line 14-16, page11 line 26 ~ page12 line 3)	1-7
Y	US5792167A(Joseph J. Kabik) 11 AUGUST 1998 (11.08.1998), See entire document.	1-7
A	WO1994/18894A(Danek medical) 01 SEPTEMBER 1994 (01.09.1994), See entire document.	1-7
A	US5269798A(Rance A. Winkle) 14 DECEMBER 1993 (14.12.1993), See entire document.	1-7
A	US5286253A(Joseph Fucci) 15 FEBRUARY 1994 (15.02.1994), See entire document.	1-7
A	US5643304A(Alan M. Schecher) 1 JULY 1997 (01.07.1997), See entire document.	1-7



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

30 OCTOBER 2003 (30.10.2003)

Date of mailing of the international search report

31 OCTOBER 2003 (31.10.2003)

Name and mailing address of the ISA/KR


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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US6368324B1	09.04.2002	NONE	
W02000/45714A	10.08.2000	US6332886B1 TW0427896B JP2002536045T2 CN1338912T CA2360867AA AU0747156B2 AU0020899A5	2001-12-25 2001-04-01 2002-10-29 2002-03-06 2000-08-10 2002-05-09 2000-08-25
US5792167A	11.08.1998	NONE	
W01994/18894A	01.09.1994	ZA9400865A US5685840 US5669876 JP8509397T2 EP0686013A4 EP0686013A1 CN1120805A AU6172394A1	1994-08-23 1997-11-11 1997-09-23 1996-10-08 1997-12-29 1995-12-13 1996-04-17 1994-09-14
US5269798A	14.12.1993	NONE	
US5286253A	15.02.1994	EP0592249A3 EP0592249A2 DE69319199T2 DE69319199C0	1994-08-24 1994-04-13 1998-10-15 1998-07-23
US5643304A	01.07.1997	ZA9400865A W09510326A1 W09418894A1 JP9503689T2 ES2174880T3 EP0723467B1 DE69430435T2 CN1120805A CA2173851AA CA2156189AA AU7931494A1 AU6172394A1 AU0679271B2 AT0216274E	1994-08-23 1995-04-20 1994-09-01 1997-04-15 2002-11-16 2002-04-17 2002-11-14 1996-04-17 1995-04-20 1994-09-01 1995-05-04 1994-09-14 1997-06-26 2002-05-15